

## **ABSTRACT**

An external drive supercharger is described. The external drive supercharger includes an impeller, a multibelt pulley adapted to a drive source, an impeller pulley drivingly coupled to the impeller, and an external drive belt having at least one rib coupled to the  
5 multibelt pulley to drive the impeller pulley. Further, the external drive assembly includes an adjustable idler engagingly connected to the external drive belt wherein the impeller pulley and the multibelt pulley engage with the at least one rib of the external drive belt.